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Management Plan

PRC-MP-SH-32219

10 CFR 851 CHPRC Worker Safety and Health Program Description

Revision 1, Change 2

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**Project: CH2M HILL Plateau Remediation Company
Topic: Occupational Safety and Industrial Hygiene**

**Technical Authority: R. O. Zimmerman
Functional Manager: T. L. Vaughn**

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Description of Change

Rev. 1-2:

1. Updated Appendix B Implementation Matrix.
2. Clarified Appendix A Item 1 discussion on applying 29CFR1910 (General Industry) and 29CFR1926 (Construction) requirements to CHPRC workscope.
3. Clarified Appendix A Item 6 Industrial Hygiene on the use of 2009 ACGIH TLV book Heat Stress table.

11/03/09, Rev. 1-1:

1. Editorial corrections in section Table of Contents, 6.0, and 7.0.
2. Updated use of Fluor Hanford to Mission Support Alliance including correct MOU references
3. Added PRC PRO-TQ-40164, Rev 0-1, *Personnel Training and Qualification* to Appendix B Item 851.25(a).
4. Added PRC-CHRT-SH-40210, *Charter for the Peer Safety Observation Program* to Appendix B Item 851.20.4.(a).
5. Added PRC-CHRT-MS-40017, *Safety Analysis Center Charter* to Appendix B Item 851.21(a)(7) and 851.26 (b)(2).
6. Update Appendix B hyper links to correct document revisions.
7. Updated Appendix B Implementation Matrix to reflex CHPRC-000152 being cancelled and merged with PRC-PRO-SH-40078, *Contractor Safety Process*.
8. Updated references from FH General Support Service to MSA Service Delivery Document.
9. Updated Roles and Responsibility referenced document.

09/10/09, Rev. 1-0:

1. Added section 7.0 Sources to meet PRC-PRO-MS-589 format requirements for MD's.
2. Updated Appendix B Implementation Matrix and inserted the section of each document that is relied to implement 10 CFR 851, Worker Safety and Health Program.
3. Editorial corrections in sections 2.0, 3.1, 5.0 and Appendix C to adjust document titles and context of some sentences.
4. Added Source section with requirement and reference documents.

6/16/09, Rev. 0-0:

1. Identifies activities/services provided by other DOE contractors that CHPRC relies on to be compliant with 10CFR851 (i.e. Fire Protection, Firearms Safety, Occupational Medicine).
2. Defines a less conservative approach in adopting lower-tier referenced standards.
3. Directs subcontractors to work with AdvanceMed Hanford to obtain/process regulatory required occupational medical examinations.
4. Updated Appendix B Implementation Matrix to reflect documents per PRC-MD-001, *Transition of PHMC Documents to Plateau Remediation Company*, Rev 4.

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1.0 EXECUTIVE SUMMARY

This document, the *CH2M HILL Plateau Remediation Company Worker Safety and Health Program Description*, identifies the elements, methods, and processes by which CH2M HILL Plateau Remediation Company (CHPRC) meets the requirements in the Title 10, *Energy*, Code of Federal Regulations (CFR) Part 851, “Worker Safety and Health Program” (the Rule) published in the Federal Register Volume 71 No 27, February 9, 2006. The Rule codifies worker protection program requirements and establishes the following:

- Requirements for a worker safety and health program that will prevent occupational injuries, illnesses, and accidental losses by requiring U.S. Department of Energy (DOE) contractors to provide their employees with safe and healthy workplaces at DOE sites; and
- Procedures for investigating whether a violation of a requirement of the Rule has occurred, for determining the nature and extent of any violation, and for imposing an appropriate remedy (851.1).

In accordance with Subpart C, of the Rule, CHPRC is responsible for the safety and health of CHPRC workforce (851.20) for CHPRC employees and contractors that meet the scope and definition of “*work at a DOE site in furtherance of the DOE mission*,” as defined in 10 CFR 851.3. CHPRC’s accountability to adhere to the Rule’s referenced requirements is based on the Rules Preamble, Federal Register Volume 71 No 27, February 9, 2006, page 6896 (Column 1), which states: “The standards included in this final rule are consistent with those mandated under DOE Order 440.1A.”

CHPRC has adopted other best management practices and consensus standards not invoked by the Rule. For example, CHPRC is contractually obligated to encourage employees to decline to perform a task that “poses an imminent risk of death or serious physical harm . . .” (851.20(b)(8)); however, CHPRC joined the rest of the Hanford Site contractor by using a graded approach that provides workers the right to Stop Work when they feel the hazard has not been fully addressed. Another example is using clothing adjustments for heat stress factors for clothing ensembles that was published in the 2009 American Conference of Governmental Industrial Hygienist (AGIH) Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices (TLV) book. The 2005 revision contained only three clothing types where the 2009 version includes an additional three.

Memorandums of Agreements (MOA) have been established with other Hanford Site Contractors who have a key role in CHPRC’s ability to meet the Rule. This meets the 851.11(a)(ii) requirement to coordinate with each other to ensure there are clear roles, responsibilities, and procedures to ensure the safety and health of workers at multi-contractor workplaces.

Some aspects of the program are undergoing change in preparation of the Integrated Safety and Health Management System/ Environment Management System (ISMS/EMS) Verification process as required following a change in contractors. [Appendix B](#) of this document identifies the CHPRC documents which support this Program Description.

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2.0 BACKGROUND

On October 1, 2008, CH2M HILL Plateau Remediation Company (CHPRC) began managing the Plateau Remediation Contract (DE-AC06-08RL14788) for the U.S. Department of Energy Richland Operations Office. The contracted activity occurs at the Hanford Site, located near Richland Washington, a covered workplace under 10 CFR 851.3, "a place at a DOE site where a contractor is responsible for performing work in furtherance of a DOE mission."

CHPRC contract deliverable C.3.2.3-1, *Adopted Worker Safety and Health Program* was completed via letter CHPRC-0800013, Revision 2 on August 28, 2008. This deliverable is important as it adopted the Fluor Hanford, Inc. HNF-MP-32219, *10 CFR 851 PHMC Worker Safety and Health Program Description*, Revision 3 in its entirety, including referenced documents. The Richland Operations Office responded with the letter from D.A. Brockman and J. C. Connerly to J. G. Lehew, APPROVAL OF THE 10CFR851 WORKER SAFETY AND HEALTH PROGRAM, 08-SED-0208, dated September 23, 2008. This confirmed CHPRC compliance with the 851.11(b)(1), which states: ". . . no work may be performed at a covered workplace unless an approved worker safety and health program is in place for the workforce."

This document is consistent with and supports PRC-MP-MS-003, *Integrated Safety Management System/Environmental Management System Description (ISMSD)*.

3.0 ROLES AND RESPONSIBILITIES**3.1 General Description**

The CHPRC Safety, Health, Security, and Quality (SHS&Q) support services organization is responsible for maintaining this CHPRC Worker Safety and Health Program Description document. Within SHS&Q, Occupational Safety and Industrial Hygiene (OS&IH) is responsible for program development, implementation and oversight. CHPRC Nuclear Safety Regulatory and Event Reporting (NSR&ER) is responsible for performing the actions associated with the PAAA program described in PRC-PRO-NS-2243, *Identification, Reporting, and Tracking of Nuclear Safety and Worker Safety and Health Requirement Noncompliances & PAAA/Worker Safety and Health Enforcement Activities*. Attachment A, *Description of Functional Areas*, provides a summary description of CHPRC organizations responsible for implementation of specific areas of the Rule. CHPRC Projects and organizations are responsible for implementing the overall worker safety and health program and appropriate integration into contracting and work planning activities.

The roles and responsibilities of organizations and personnel supporting the CHPRC are described in PRC-MP-MS-003, *Integrated Safety Management System/Environmental Management System Description (ISMSD)*. CHPRC establishes specific roles and responsibilities for implementation of worker safety and health requirements through the document format established in the CHPRC documents identified in Attachment C, *Implementation Matrix*, which defines specific responsibilities for implementation of the scope of the individual document.

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3.2 Integration of Site Activities

The Hanford Site consists of three DOE Field Offices, and multiple contractors, requiring integration of some worker health and safety activities. The CHPRC Safety, Health, Security and Quality Vice President (VP) will support the Site Contractors Safety Committee (a.k.a. Hanford Site Environment, Safety, Health, & Quality Manager Quarterly Meeting) and provide a qualified resource to represent CHPRC interests to the committee on a continuing basis.

Work performed by/for other contractors at the Hanford Site is controlled under a series of Memorandums of Agreement (MOA). Two Memorandums are in place for the DOE-Prime Contractors who have a key role in CHPRC's ability to meet all the Rules requirements.

- [Mission Support Alliance, LLC](#),
- [AdvanceMed Hanford](#) (MOA-AMH-CHPRC-2010 Rev 0) – Site-wide Occupational Medical Service Provider

In general, for work authorized under the Memorandums, safety will be controlled by the contractor in control of the work location.

When obtaining products or services from other Hanford Site DOE Prime Contractors through the Work Authorization fund transfers, the expectation is that DOE has approved top-level programs in health, safety, and quality (ISMSD, Worker Safety and Health Program, and Quality Assurance Program), and that these programs and documents are found acceptable to DOE and no further verification is required.

3.3 Worker Safety and Health Program Maintenance

The CHPRC Safety, Health, Security, and Quality Vice President is accountable for maintaining the Program and shall approve all revisions. The Program will be maintained in accordance with the Rule. An annual review will be conducted, at a minimum, to verify that the Worker Safety and Health Program adequately reflect operations and controls. The annual review will include worker participation as defined in 851.11(d).

This document will be maintained under CHPRC configuration control and submitted for review and approval whenever a significant change or addition to the Worker Safety and Health Program is made, when minor revisions are required, and annually.

3.3.1 Minor revisions

Editorial or minor process improvements that do not change context or concept will be reviewed, approved, and incorporated to the Program without DOE-RL approval. Reference to these changes/revisions will be identified and communicated to the DOE-RL during the annual Program review process.

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3.3.2 Major revisions

Significant operational changes and/or issues impacting approved safety and health thresholds require written DOE-RL Contracting Officer approval prior to implementation, such as:

- New contractor awarded contract,
- Contractor accepts a new work scope for a new toxic, reactive, flammable, or explosive chemical which was not addressed in the approved Worker Safety and Health Program,
- The toxicity or explosive hazard, such as chemical storage, has increased where there is a credible accident scenario that would impact the co-located workers or off-site public, or
- A site not currently using explosive begins a project involving explosives

3.3.3 Annual review

In accordance with contractual requirements, submit an updated worker safety and health program for approval or letter stating that no changes are necessary to the currently approved plan.

3.4 Submittals under 10 CFR 851

The CHPRC Safety, Health, Security and Quality (SHS&Q) support services organization is responsible for maintaining this CHPRC Worker Safety and Health Program Description document and submittals/notifications under the Rule. The following submittals/notifications are defined in the Rule, and will be provided to DOE-RL.

3.4.1 Annual Worker Safety and Health Program Description

In accordance with contractual requirements, the Program will be reviewed and submitted for DOE-RL Contracting Officer approval annually (12 months after the preceding revision date).

3.4.2 Closure Facility Hazards

In accordance with 851.21(b), CHPRC will submit to DOE-RL a list of closure facility hazards and the established controls within 90-days after identifying such hazards. Closure facility hazards are defined in 851.3, and are limited to hazards in which means of control involve deviations from the technical requirements of 851.23 and would require costly and extensive structural/engineering modifications to be in compliance.

3.4.3 Requests for Interpretative Ruling

The DOE Office of General Counsel are the sole authority that can provide binding interpretations of the Rule. The DOE Office of Health, Safety & Security can provide technical information on implementation and enforcement guidance. CHPRC will provide courtesy notification to DOE-RL of any requests for interpretation.

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3.4.4 Requests for Variance

The Rules' Subpart D defines the process for requesting a Variance, and will be used when requesting Temporary, Permanent, and National Defense Variances. CHPRC will inform DOE-RL of the need for a variance and submit the request for variance to the Cognizant Secretarial Officer.

3.4.5 Self-Identification and Tracking System

CHPRC will use the DOE voluntary Noncompliance Tracking System (NTS) and the Rules reporting thresholds to report any noncompliance. CHPRC will use the existing Condition Reporting & Resolution System for non-NTS reportable 10CFR851 non-compliances.

4.0 PROGRAM DESCRIPTIONS

The CH2M HILL Plateau Remediation Company (CHPRC) has an established safety and health program based on CHPRC contract requirements and in particular the Rule. Key CHPRC documents are listed in Section 5.0.

The overall safety and health program supports the functional areas established in the Rule and provides the environment for a place of employment that is free from recognized hazards that are causing or have the potential to cause death or serious physical harm to workers (851.10(a)). In addition, the safety and health program incorporates the elements and commitments to worker ownership and partnership in safety and health, as defined in the 47 Federal Register (FR) 29025, "Voluntary Protection Programs" (VPP).

[Appendix A](#), *Descriptions of "Worker Safety and Health Functional Areas,"* provides a summary description of each area required to support implementation of the Rule's Subpart C.

[Appendix B](#), *851 Implementation Matrix*, identifies documents and processes for performing CHPRC activities to be in compliance with the Rule's requirements.

[Appendix C](#), *Contractor Safety and Health*, provides a summary of the processes used to ensure CHPRC contracted work scope is performed in accordance with this document.

5.0 IMPLEMENTING DOCUMENTS

PRC-MP-MS-003, *Integrated Safety Management System/Environmental Management System Description*.

PRC-MP-QA-599, *Quality Assurance Program Description*

RL-0040, *Nuclear Facility Deactivation and Decommissioning Remainder of Hanford Project Execution Plan*

PRC-RD-AC-10320, *CHPRC Acquisition System Requirements*

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6.0 ACRONYMS

ACGIH	American Conference of Governmental Industrial Hygienist
AFL-CIO	American Federation of Labor-Congress of Industrial Organizations
AHJ	Authority Having Jurisdiction
AJHA	Automated Job Hazard Analysis
AMH	AdvanceMed Hanford
ASME	American Society of Mechanical Engineers
CBDPP	Chronic Beryllium Disease Prevention Program
CBT	Computer Based Training
CFR	Code of Federal Regulations
CHPRC	CH2M HILL Plateau Remediation Company
CRD	Contractor Requirements Document
DOE	Department of Energy
DOE-HQ	Department of Energy Headquarters
DOE-RL	Department of Energy - Richland Operations Office
EAP	Employee Assistance Program
EJTA	Employee Job Task Analysis
FAR	Federal Acquisition Regulations
FR	Federal Register
HAMTC	Hanford Atomic Metal Trades Council
HNF-	Project Hanford document
HNF-PRO	Project Hanford Procedure document
HNF-RD	Project Hanford Requirements Document
ISMS	Integrated Environment, Safety, and Health Management System
JA	Jurisdictional Authority
MOA	Memorandum of Agreement
MSA	Mission Support Alliance
MSA-HNF-PRO	Mission Support Alliance Procedure
MSA-HNF-RD	Mission Support Alliance Requirements Document
NEC	National Electrical Code
NFPA	National Fire Protection Association
NTS	Noncompliance Tracking System
OMSP	Occupational Medical Service Provider

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OS&IH	Occupational Safety and Industrial Hygiene
OSHA	Occupational Safety & Health Administration
PAAA	Price Anderson Amendment Act
PHMC	Project Hanford Management Contract
PRC-CHRT	Plateau Remediation Company Management Charter document
PRC-GD	Plateau Remediation Company Management Guidance Document
PRC-MD	Plateau Remediation Company Management Directive document
PRC-MP	Plateau Remediation Company Management Plan document
PRC-POL	Plateau Remediation Company Management Policy document
PRC-PRAC	Plateau Remediation Company Practice document
PRC-PRO	Plateau Remediation Company Procedure document
PRC-RD	Plateau Remediation Company Requirement document
PRC-STD	Plateau Remediation Company Management Standard document
PZAC	Presidents' Zero Accident Council
RLEP	Richland Emergency Procedure
RRD	Richland Requirements Document
SCRD	Supplemental Contractor Requirements Document
SDD	Service Description Document
SHS&Q	Safety, Health, Security, and Quality
SP	Special Provision
VP	Vice President
VPP	Voluntary Protection Program
WSHP	Worker Safety and Health Program

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7.0 SOURCES**7.1 Requirements**

10 CFR 851, *Worker Safety and Health Program*

7.2 References

47 Federal Register (FR) 29025, "Voluntary Protection Programs"

American Conference of Governmental Industrial Hygienist (AGIH) *Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices (TLV)* book, 2005 and 2009 editions

DE-AC06-08RL14788, *Plateau Remediation Contract*

Letter from D.A. Brockman and J. C. Connerly to J. G. Lehew, *APPROVAL OF THE 10CFR851 WORKER SAFETY AND HEALTH PROGRAM, 08-SED-0208*, dated September 23, 2008

Letter: CHPRC-0800104, Memorandum of Agreement Number MOA-AMH-CHPRC-2008, Rev 0, Between AdvanceMed Hanford and CH2M HILL Plateau Remediation Company, October 6, 2008.

Letter: CHPRC-00813, Revision 2 on August 28, 2008, *Adopted Worker Safety and Health Program*

Memorandum of Agreement for the Performance of Payment of Services Between Mission Support Alliance, LLC, and CH2M HILL Plateau Remediation Company, August 12, 2009.

PRC-MP-MS-003, *Integrated Safety Management System/ Environmental Management System Description*

PRC-RD-AC-10320, *CHPRC Acquisition System Requirements*

PRC-PRO-NS-2243, *Identification, Reporting, and Tracking of Nuclear Safety and Worker Safety and Health Requirement Noncompliance's & PAAA/Worker Safety and Health Enforcement Activities*

PRC-MP-QA-599, *Quality Assurance Program Description*

RL-0040, *Nuclear Facility Deactivation and Decommissioning Remainder of Hanford Project Execution Plan*

8.0 APPENDIXES

[Appendix A](#), Descriptions of "Worker Safety and Health Functional Areas"

[Appendix B](#), 851 Implementation Matrix

[Appendix C](#), Contractor Safety and Health

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Appendix A - Descriptions of “Worker Safety and Health Functional Areas”

(10 CFR 851 Appendix A)

The methods to ensure implementation of the Functional Areas are briefly summarized below. The Functional Areas strategy is based on guidance from DOE G 440.1-8, *Implementation Guide for use with 10 CFR PART 851, Worker Safety and Health Program* and the DOE 851 *Frequently Asked Questions* web site established by the Office of Environment, Safety & Health at: http://www.hss.energy.gov/healthsafety/wshp/rule851/FAQ_10_30.htm.

1.0 CONSTRUCTION SAFETY

APPLICABLE. CHPRC complies with the 10CFR851.23 mandated construction safety laws, codes, standards, and regulations relating to construction safety, and ensures that all reasonable steps are taken to set and communicate expectations and enforce requirements for subcontractor safety performance.

- Construction means combination of erection, installation, assembly, demolition, or fabrication activities involved to create a new facility or to alter, add to, rehabilitate, dismantle, or remove an existing facility. It also includes the alteration and repair (including dredging, excavating, and painting) of buildings, structures, or other real property, as well as any construction, demolition, and excavation activities conducted as part of environmental restoration or remediation efforts (10CFR851 3(a) - Definitions).
- Construction contractor means the lowest tiered contractor with primary responsibility for the execution of all construction work described within a construction procurement or authorization document (e.g., construction contract, work order). (10CFR851 3(a) Definitions).
- Construction contractor is responsible for identifying a designated representative on the worksite during periods of active construction, and assigning competent persons (where required by OSHA).
- **Construction safety management and oversight** ensures compliance with mandated codes and standards. Specific implementation methods are identified in Appendix B, *851 Implementation Matrix*.
- CHPRC work planning processes ensure that activities occurring in a non-construction environment trigger the appropriate construction standard requirements.

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2.0 FIRE PROTECTION

LIMITED APPLICABILITY. A portion of this section does not apply to CHPRC, as the contract directs this government furnished service through another DOE-RL contracted organization. Mission Support Alliance's Hanford Fire Department provides 10CFR851 related Fire Protection services. The organization is broken into three divisions.

- **Operations Division** is responsible for fire suppression, hazardous materials response, emergency medical response, and special rescue support activities.
- **Fire Systems Testing and Maintenance Division** is responsible for the functional testing, inspection and preventive and repair maintenance activities for Hanford Site fire alarm and suppression systems to meet National Fire Protection Association (NFPA) and Department of Energy (DOE) standards and requirements. In addition, this element performs annual inspection of site fire extinguishers, provides emergency response backup for suppression, ambulance and hazardous materials response support, and maintains all firefighter training certifications.
- The **Fire Prevention Division** is managed by the Hanford Site Fire Marshal and is responsible for all fire prevention activities, including the building tour and inspection program.

CHPRC maintains a staff of Fire Protection Engineers to ensure the design and maintenance of fire protection systems meet the Rule requirements. Specific implementation methods are identified in Appendix B, *851 Implementation Matrix*.

3.0 EXPLOSIVES SAFETY

APPLICABLE. CHPRC complies with 851.23 mandated Explosives Safety laws, codes, standards, and regulations relating to explosives safety. CHPRC Projects activities infrequently use explosives as part of Well decommissioning or demolition activities. All acquisition, storage, and use of explosives are in accordance with Mission Support Alliance's Hanford Fire Department and Safeguard & Security processes. Specific implementation methods are identified in Appendix B, *851 Implementation Matrix*.

4.0 PRESSURE SAFETY

APPLICABLE. CHPRC complies with 851.23 mandated safety and health laws, codes, standards, and regulations relating to maintenance and operation of pressure vessels. The CHPRC's Chief Engineer acts as the Jurisdictional Authority (JA) for Pressure Vessels. The Jurisdictional Authority interpretations are to be kept on file. Any variances or exemptions pursued in the future that are beyond the Jurisdictional Authority's scope and authority, as defined in American Society of Mechanical Engineers (ASME) Boiler Pressure Code series, will be pursued through CHPRC Prime Contracts and managed as exemptions or variances to DOE requirements. Specific implementation methods are identified in Appendix B, *851 Implementation Matrix*.

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5.0 FIREARMS SAFETY

NOT APPLICABLE. The CHPRC contracted work scope directs this government furnished service through another DOE-RL contracted organization. Mission Support Alliance's Security related Protective Forces, and Animal Control, provides services that require firearms.

6.0 INDUSTRIAL HYGIENE

APPLICABLE. CHPRC complies with 851.23 contractually mandated safety and health laws, codes, and standards relating to industrial hygiene. Appendix B, *851 Implementation Matrix* identifies applicable requirements and implementation processes.

NOTE: *CHPRC utilizes the clothing adjustments for heat stress factors for clothing ensembles published in the 2009 American Conference of Governmental Industrial Hygienist (AGIH) Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices (TLV) book as the 2005 revision contained only three clothing types where the 2009 version includes an additional three.*

7.0 BIOLOGICAL SAFETY

NOT APPLICABLE. CHPRC contracted work scope does not include hazards requiring the formation of an Institutional Biosafety Committee or equivalent as defined in 10 CFR 851 Appendix A, Section 7.

8.0 OCCUPATIONAL MEDICINE

LIMITED APPLICABILITY. CHPRC obtains occupational medicine services as a government furnished service through another DOE-RL contracted organization and their subcontractors. At Hanford, the occupational medical service provider (OMSP) is currently AdvanceMed Hanford (AMH). AMH is responsible to establish an 851 Appendix A, subparagraph 8, compliant and comprehensive occupational medicine program for workers employed at CHPRC that work on a Department of Energy site for more than 30 days in a 12-month period or are enrolled for any length of time in a required medical or exposure monitoring program.

All CHPRC employees, contractors and their lower tiered on-site subcontractors are to use AdvanceMed Hanford for medical services including medical examinations, first aid treatment, employee assistance program, and return to work evaluations. See Appendix C for further discussion. Hanford Fire Department provides ambulance service for urgent situations requiring care and transport.

CHPRC provides the occupational medicine providers access to hazard information by promoting adequate communication, coordination and sharing among operating and safety organizations. CHPRC provides access to current information about actual or potential work-related hazards, employee job tasks, hazard analysis information, actual or potential worksite exposures and employee essential job functions.

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CHPRC provides the occupational medicine provider access to the workplace for evaluation of job conditions and issues relating to worker's health. CHPRC provides the opportunity and have established a forum for occupational medicine provider staff to participate in worker safety and health team meetings and committees. Workplace evaluations and meetings include the Presidents' Zero Accident Council (PZAC), case management meetings, emergency preparedness planning, and project-specific wellness and injury reduction activities.

Under the occupational medicine provider's management, employee medical, psychological, and Employee Assistance Program (EAP), records are kept confidential and protected. Access to medical records is provided in accordance with DOE regulations implementing the Privacy Act and the *Energy Employees Occupational Illness Compensations Program Act*.

9.0 MOTOR VEHICLE SAFETY

APPLICABLE. CHPRC complies with 10 CFR 851.23 mandated occupational safety laws, codes, standards, and regulations relating to motor vehicle safety. Appendix B, *851 Implementation Matrix* identifies applicable requirements and implementation processes.

10.0 ELECTRICAL SAFETY

APPLICABLE. CHPRC complies with 851.23 mandated safety laws, codes, standards, and regulations relating to maintenance and operation of an electrical safety program. CHPRC and DOE-RL have established a process within the CHPRC to identify an Authority Having Jurisdiction (AHJ) for the National Fire Protection Association (NFPA) Electrical Standards, NFPA-70 for design and installation; and an Authority Having Jurisdiction for NFPA-70E, electrical safe work practices. Both Authorities Having Jurisdiction have authority for interpretations and equivalencies in regards to the NFPA-70 *National Electric Code* and the NFPA-70E *Standard for Electrical Safety in the Workplace*. The Authority Having Jurisdiction is identified to DOE-RL outside of the WSHP under a separate letter. Interpretations for safe electrical design and installation are kept by the Hanford Electrical Codes Board. Board interpretations for safe electrical work practices are kept by the Hanford Workplace Electrical Safety Board. Any variances or exemptions pursued in the future that are beyond the Authority Having Jurisdiction's scope and authority, as defined in National Electrical Code (NEC) or other National Fire Protection Association (NFPA) documents, will be pursued through CHPRC Prime Contracts and managed as exemptions or variances to DOE requirements. Specific implementation methods are identified in Appendix B, *851 Implementation Matrix*.

11.0 NANOTECHNOLOGY SAFETY (RESERVED)

No information is provided as the Rule has "Reserved" this section for future use.

12.0 WORKPLACE VIOLENCE PREVENTION (RESERVED)

No information is provided as the Rule has "Reserved" this section for future use.

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Appendix B - 851 Implementation Matrix

Rule Section		CHPRC Management System Documents /Process		
Section Number	Section Subject	Document Number	Section	Document Title[i]
851.20	Management responsibilities and worker rights and responsibilities			
851.20(a)	Management responsibilities	PRC-MP-MS-19361 , Rev 1-1	2.2, 4.1.1, 4.2.4, & 5.1	CH2M HILL Plateau Remediation Company Project Execution Plan
		PRC-MP-EP-40220 , Rev 0-0	4.0	Environmental Management System Manual
		PRC-MP-MS-40190 , Rev 0-3	Entire Document	Business Services and Project Controls Management Roles, Responsibilities, and Functions
		PRC-MP-PM-40187 , Rev 1-1	Entire Document	Engineering, Procurement, and Construction Integrated Environment, Safety, and Health Management Roles, Responsibilities, and Function
		PRC-MP-QA-599 , Rev 0-2	5.3.2	Quality Assurance Program Description
		PRC-MP-SH-40185 , Rev 0-3	Entire Document	Safety, Health, Security and Quality Integrated, Environment, Safety, and Health Management Roles, Responsibilities and Functions
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 2.2.1 & 2.2.2	Contractor Safety Process

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		PRC-MP-TQ-011 , Rev 1-1	3.0	CH2M HILL Plateau Remediation Company Integrated Safety Management System/Environmental Management System Implementation Plan
		D&D-MP-001 , Rev0-0	Entire Document	D&D Project Integrated Environment, Safety, and Health Management Roles and Responsibilities
		BOS-MP-0001 , Rev 0-1	Entire Document	PFP Closure, Balance of Site D&D Infrastructure (PFP/BOS) Integrated Environment, Safety, and Health Roles, Responsibilities and Functions
		GRP-POL-0001 , Rev 1-2	Entire Document	S&GRP Integrated Environment, Safety, and Health Management Roles, Responsibilities, and Functions
		WMP-100 Section 4.6 Rev 5-2	Entire Document	WFMP Integrated Environment, Safety, and Health Management Roles, Responsibilities, and Functions
		PRC-PRO-WKM-12115 , Rev 0-6	Appendix I	Work Management
		PRC-PRO-SH-7085 , Rev 0-1	Entire Document	Safety Responsibilities
		PRC-PRO-AC-192 , Rev 2-0	4.0	Buyer's Technical Representative Assignment and Duties

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851.20(a)(1)	Establish policy, goals, and objectives	PRC-POL-SH-5053 , Rev 0-1	Entire Document	CH2M HILL Plateau Remediation Company Safety, Health and Environmental Policy
		PRC-MP-MS-003 , Rev 1-1	2.1	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-MP-MS-19361 , Rev 1-1	6.5.4	CHPRC Project Execution Plan
		PRC-PRO-QA-24741 , Rev 1-0	3.11	Performance Analysis Process.
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.6	Contractor Safety Process
		PRC-PRO-SH-7085 , Rev 0-1	4.1.6 & 4.1.10	Safety Responsibilities
851.20(a)(2)	Use qualified staff	PRC-PRO-HR-021 , Rev 0-2	1.1	Staffing
		PRC-MP-MS-003 , Rev 1-1	4.2	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-POL-TQ-11337 , Rev 1-0	Entire Document	Employee Training
		Special Provision SP-5 , Rev 6	2.1.4	On Site Services
		PRC-PRO-SH-40078 Rev 1-0	Appendix F, 2.2.3	Contractor Safety Process
851.20(a)(3)	Hold personnel accountable	PRC-PRO-HR-033 , Rev 0-2	2.0 & 3.1	Employee Discipline
		PRC-PRO-SH-7085 , Rev 0-1	4.1.15 & App A	Safety Responsibilities

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		PRC-PRO-HR-050 , Rev 0-3	3.1.1.5 & 3.1.3.6	Managing Employee Performance
851.20(a)(4)	Involve workers	PRC-POL-SH-5053 , Rev 0-1	Entire	CH2M HILL Plateau Remediation Company Safety, Health, Security, Quality and Environment Policy
		PRC-MP-MS-003 , Rev 1-1	5.1	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-SH-7085 , Rev 0-1	4.1.6, 4.1.12, App A Item 2, App B Req 2 & 7	Safety Responsibilities
		PRC-CHRT-SH-9982 , Rev 0-1	2.0 Membership	Presidents' Zero Accident Council
		PRC-CHRT-SH-40210 , Rev 1-0	All	Charter for the Peer Safety Observer Program
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 2.2.8 & 3.1.6	Contractor Safety Process
851.20(a)(5)	Provide workers access to information	PRC-PRO-SH-7085 , Rev 0-1	App B Req 1, 8, 9, & 10	Safety Responsibilities
851.20(a)(6)	Establish procedures for worker reporting	DOE-0343, Rev 1	5.0	Stop Work
		PRC-PRO-WKM-079 , Rev 2-1	2.0 Worker & HAMTC	Job Hazard Analysis
		PRC-PRO-EC-410 , Rev 0-2	3.0	Employee Concern Resolution
		PRC-PRO-SH-7085 , Rev 0-1	4.2.1, 4.2.5, 4.2.6 & App A Req 3 & 9	Safety Responsibilities

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		PRC-CHRT-SH-9982 , Rev 0-1	3.0 Note	Presidents' and Employee Zero Accident Councils
851.20(a)(7)	Respond promptly to worker reports	DOE-0343, Rev 1	5.0	Stop Work
		PRC-PRO-EC-410 , Rev 0-2	3.1.6 & 3.1.7	Employee Concern Resolution
		PRC-PRO-SH-7085 , Rev 0-1	4.2.1, 4.2.2, 4.2.5, & 4.2.6	Safety Responsibilities
851.20(a)(8)	Communicate regularly with workers	PRC-RD-SH-10743 , Rev 0-0	2.1.1-50	Safety Communications
		PRC-CHRT-SH-9982 , Rev 0-1	3.0	Presidents' and Employee Zero Accident Councils
		PRC-PRO-SH-7085 , Rev 0-1	4.1.5	Safety Responsibilities
		Special Provision SP-5 , Rev 6	2.2.E	On Site Services
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.1.14, 3.1.2 & 3.1.3	Contractor Safety Process
851.20(a)(9)	Establish stop work procedures	PRC-PRO-WKM-079 , Rev 2-1	2.0 Worker & 6.1	Job Hazard Analysis
		PRC-PRO-EC-410 , Rev 0-2	3.1.1., 3.1.2 & 6.1	Employee Concern Resolution
		DOE-0343, Rev 1	5.0	Stop Work
		PRC-RD-WKM-8524 , Rev 0-2	2.2.3.i	Supervision of Fieldwork
		Special Provision SP-5 , Rev 6	10.0	On Site Services
851.20(a)(10)	Inform workers of their rights	PRC-RD-SH-10743 , Rev 0-0	2.3.1	Safety Communications

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		Course: 000006	Safety Module	CHPRC - General Employee Training (CGET)
851.20(b)	Worker rights and responsibilities	PRC-PRO-SH-7085 , Rev 0-1	4.1 & 4.2	Safety Responsibilities
		PRC-POL-SH-5053 , Rev 0-1	Entire Document	CH2M HILL Plateau Remediation Company Safety, Health and Environmental Policy
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.4	Contractor Safety Process
851.20(b)(1)	Participate in activities on official time	PRC-PRO-SH-7085 , Rev 0-1	4.2.7, 4.2.8 & App B Req 2	Safety Responsibilities
		2007 Labor Agreement	Article IV, Item 2, Article VII Item 2, Article XXI	2007 Labor Agreement between Fluor Hanford and Hanford Atomic Metal Trades Council (HAMTC), AFL-CIO
851.20(b)(2)	Have access to safety and health documents	CHPRC Intranet Site Map	Entire location	Electronic Library/DOE RL Directives
		www.hss.energy.gov	Entire location	DOE-HQ Office of Health, Safety and Security
		CHPRC Virtual Manual (OS&IH)	Entire location	Occupational Safety & Health Intranet Web Page
		Intranet Site - Automated Job Hazards Analysis (AJHA)	Entire Program	Automated Job Hazards Analysis
		PRC-RD-SH-10743 , Rev 0-0	2.3.1 to 4	Safety Communications
851.20(b)(3)	Be notified of overexposures	PRC-PRO-SH-409 , Rev 0-1	4.2.4, 4.2.6, 4.2.7, 7.1.2 & App E	Industrial Hygiene Monitoring, Reporting and Records Management

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		PRC-PRO-SH-7085 , Rev 0-1	App B Item 5	Safety Responsibilities
851.20(b)(4)	Observe monitoring	PRC-RD-SH-10743 , Rev 0-0	2.3.1 & 2.3.2	Safety Communications
		PRC-PRO-SH-7085 , Rev 0-1	App B Item 5	Safety Responsibilities
851.20(b)(5)	Accompany DOE officials on inspections	PRC-RD-SH-7652 , Rev 1-1	3.1.1 Note	Safety and Health Inspections
		PRC-PRO-SH-7085 , Rev 0-1	App B Item 6	Safety Responsibilities
		2007 Labor Agreement	Health & Safety Commitment Page 16-17	2007 Labor Agreement between Fluor Hanford and Hanford Atomic Metal Trades Council (HAMTC), AFL-CIO
851.20(b)(6)	Request results of inspections and investigations	PRC-PRO-SH-7085 , Rev 0-1	App B Item 7	Safety Responsibilities
851.20(b)(7)	Express concerns related to H&S	PRC-PRO-EC-410 , Rev 0-2	3.1.1 & 3.1.6	Employee Concern Resolution
		PRC-PRO-SH-7085 , Rev 0-1	App B Item 1	Safety Responsibilities
		Special Provision SP-5 , Rev 6	14.0 & 15.0	On Site Services
851.20(b)(8)	Decline tasks posing imminent danger	DOE-0343, Rev 1	5.0	Stop Work
		PRC-PRO-SH-7085 , Rev 0-1	App B Item 8	Safety Responsibilities
851.20(b)(9)	Stop imminently dangerous work	DOE-0343, Rev 1	5.0	Stop Work
		PRC-PRO-SH-7085 , Rev 0-1	App B Item 8	Safety Responsibilities
		Special Provision SP-5 , Rev 6	2.2.E & 10.0	On Site Services

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		PRC-PRO-SH-40078 Rev 1-0	Appendix F, 6.0	Contractor Safety Process
851.21	Hazard identification and assessment			
851.21(a)	Establish procedures to identify hazards and assess risks	PRC-MP-MS-003 , Rev 1-1	3.2 & 3.3	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-WKM-12115 , Rev 0-6	3.2.3	Work Management
		PRC-RD-SH-13299 , Rev 0-2	2.2	Hazard Communication
		PRC-PRO-SH-6155 , Rev 1-0	4.4	Chronic Beryllium Disease Prevention Program (CBDPP)
		MSC-RD-8589 , Rev 0	2.1	Fire Marshal Permits
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.12	Contractor Safety Process
851.21(a)(1)	Assess workers exposures	PRC-RD-SH-11183 , Rev 0-2	2.1.3	Personal Protection
		PRC-PRO-WKM-079 , Rev 2-1	App B	Job Hazard Analysis
		PRC-PRO-SH-409 , Rev 0-1	2.0	Industrial Hygiene Monitoring, Reporting and Records Management
		PRC-MP-QA-599 , Rev 0-2	5.3.2 & 5.3.3	Quality Assurance Program Description
851.21(a)(2)	Document hazard assessment	PRC-RD-SH-7769 , Rev 0-1	2.0	OSH Compliance

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		PRC-PRO-SH-409 , Rev0-1	4.2.1	Industrial Hygiene Monitoring, Reporting and Records Management
		PRC-RD-SH-11183 , Rev 0-2	2.1.5	Personal Protection
		PRC-RD-SH-11058 , Rev 0-1	2.1.1-3	Occupational Medical Qualification and Monitoring
		MSC-RD-8589 , Rev 0	2.0	Fire Marshal Permits
851.21(a)(3)	Record results	PRC-PRO-SH-409 , Rev 0-1	5.2.1	Industrial Hygiene Monitoring, Reporting and Records Management
851.21(a)(4)	Analyze designs for potential hazards	HNF-RD-9717 , Rev 7	Entire Document	Fire Prevention for Construction/ Occupancy/ Demolition Activities
		PRC-RD-EN-1819 , Rev 0-2	2.3.2.h & i	CHPRC Engineering Requirements
851.21(a)(5)	Evaluate operations, procedures, and facilities	PRC-PRO-WKM-079 , Rev 2-1	3.2.2 & App B	Job Hazard Analysis
		PRC-PRO-EN-2001 , Rev 0-1	3.2.3.2	Facility Modification Package Process
		PRC-PRO-WKM-40004 , Rev 0-3	3.0	Hazard Review Board
851.21(a)(6)	Perform activity-level hazard analysis	SDD J3-23	Entire Document	Automated Job Hazard Analysis database and Process
		PRC-PRO-WKM-079 , Rev 2-1	Entire Document	Job Hazard Analysis
		PRC-PRO-WKM-12115 , Rev 0-6	3.2.3.2	Work Management

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851.21(a)(7)	Review safety and health experience	PRC-PRO-MS-067 , Rev 0-1	4.3 & 4.4	Management Lessons Learned
		PRC-PRO-WKM-079 , Rev 2-1	3.2.2	Job Hazard Analysis
		PRC-RD-SH-10743 , Rev 0-0	2.1.6	Safety Communications
		PRC-CHRT-MS-40017 , Rev 0-2	3.0	Safety Analysis Center Charter
		PRC-CHRT-SH-9982 , Rev 0-1	3.0	Presidents' and Employee Zero Accident Councils
851.21(a)(8)	Consider interaction with other hazards, such as radiological hazards	PRC-PRO-WKM-079 , Rev 2-1	3.2.2	Job Hazard Analysis
851.21 (b)	Submit list of closure facility hazards to Head of DOE Field Element	Letter: CHPRC-080086A R1 , Transmittal of 10 CFR 851 "Worker Safety and Health Program Description"	Attachment 3	CHPRC Closure Facilities with Closure Facility Hazards List
		PRC-PRO-SH-32621 , Rev 0-1	4.2.4	Closure Facility Hazard
851.21 (c)	Obtain baseline	HNF-RD-9391 , Rev 7	2.1	Fire Protection Assessments
		HNF-RD-9717 , Rev 7	2.1.3	Fire Prevention for Construction / Occupancy/ Demolition Activities
		PRC-RD-SH-7652 , Rev 1-1	3.0	Safety and Health Inspections

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851.22	Hazard prevention and abatement			
851.22(a)	Establish and implement a hazard prevention and abatement process	PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14 & 3.2.2.16	Job Hazard Analysis
		PRC-PRO-SH-10468 , Rev 1-1	4.1	Chemical Management Process
		PRC-RD-SH-7652 , Rev 1-1	3.1.5, 3.1.6 & , 3.1.8	Safety and Health Inspections
		HNF-RD-9900 , Rev 5	2.1	Hot Work Performance Requirements
		PRC-CHRT-SH-9982 , Rev 0-1	3.0	Presidents' and Employee Zero Accident Councils
		MSC-RD-10606 , Rev 7	2,4,2	Fire Protection Program Requirements
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.5 & 3.1.12	Contractor Safety Process
851.22(a)(1)	Incorporate controls into facility designs and procedure	PRC-PRO-WKM-079 , Rev 2-1	3.2.2	Job Hazard Analysis
		PRC-PRO-WKM-12115 , Rev 0-6	3.2.3.9-16	Work Management
		PRC-RD-EN-1819 , Rev 0-2	2.3.2.h-k	CHPRC Engineering Requirements
		PRC-PRO-EN-2001 , Rev 0-1	3.2.3.2	Facility Modification Package Process
851.22(a)(2)	Prioritize abatement actions according to worker risks	PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14	Job Hazard Analysis
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection
		PRC-POL-SH-5053 , Rev 0-1	Entire Document	CH2M HILL Plateau Remediation Company Safety, Health and Environmental Policy

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		PRC-PRO-WKM-12115 , Rev 0-6	App C	Work Management
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.6	Contractor Safety Process
851.22(b)	Select hazard controls based on standard hierarchy of controls	PRC-MP-MS-003 , Rev 1-1	3.4	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14	Job Hazard Analysis
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection
		PRC-RD-SH-13299 , Rev 0-2	2.2.5	Hazard Communication
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.1.6	Contractor Safety Process
851.22(b)(1)	Substitution of the hazard	PRC-MP-MS-003 , Rev 1-1	3.4	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14	Job Hazard Analysis
		PRC-RD-SH-13299 , Rev 0-2	2.2.5	Hazard Communication
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection
851.22(b)(2)	Engineering controls	PRC-RD-EN-1819 , Rev 0-2	4.3.2.i	CHPRC Engineering Requirements
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection

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		PRC-MP-MS-003 , Rev 1-1	3.4	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14	Job Hazard Analysis
851.22(b)(3)	Work practices and administrative	PRC-RD-SH-13299 , Rev 0-2	2.2.5	Hazard Communication
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection
		PRC-MP-MS-003 , Rev 1-1	3.4	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14	Job Hazard Analysis
		PRC-PRO-WKM-12115 , Rev 0-6	3.2.3.14 & 3.2.3.19	Work Management
851.22(b)(4)	Personal protective equipment	PRC-MP-MS-003 , Rev 1-1	3.4	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-PRO-WKM-079 , Rev 2-1	3.2.2.14	Job Hazard Analysis
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection
		PRC-RD-SH-36716 , Rev 0-2	3.0	Respiratory Protection Program Requirements
		PRC-PRO-SH-120 , Rev 0-1	Entire Document	Respiratory Protection
		PRC-MP-SH-38174 , Rev 0-2	Entire Document	Written Respiratory Protection Program

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851.22(c)	Address hazards when selecting or purchasing equipment, products, or services	PRC-MP-SH-38174 , Rev 0-2	3.0.2	Written Respiratory Protection Program
		PRC-RD-SH-36716 , Rev 0-2	3.2	Respiratory Protection Program Requirements
		PRC-PRO-SH-120 , Rev 0-1	2.2, 2.3, 4.3, 5.1.47, 5.13.1-3, 5.14 & 5.15	Respiratory Protection Program
		PRC-PRO-AC-123 , Rev 1-1	5.3	Requesting Materials and Services
		PRC-PRO-AC-186 , Rev 2-0	5.2	Statements of Work
		PRC-PRO-SH-40078 , Rev 1-0	2.0, Appendix F, All	Contract Safety Processes –Occupational Safety and Industrial Hygiene Support
		Special Provision SP-5 , Rev 6	2.0	On Site Services
851.23	Workplace safety and health standards			
851.23(a)(b)	Comply with standards applicable to hazards in their workplaces	PRC-MP-MS-003 , Rev 1-1	3.3	Integrated Safety Management System/ Environmental Management System Description (ISMSD)
		PRC-RD-SH-7769 , Rev 0-1	2.0.1	OSH Compliance
		SDD J3-23	Entire Document	Site Safety Standards
		PRC-PRO-SH-409 , Rev 0-1	1.0	Industrial Hygiene Monitoring, Reporting and Records Management

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		PRC-RD-SH-11827 , Rev 1-0	3.0	CHPRC Hanford Electrical Safety Program Requirements
		PRC-RD-SH-36716 , Rev 0-2	3.0	Respiratory Protection Program Requirements
		PRC-MP-TQ-011 , Rev 1-1	2.1	CH2M HILL Plateau Remediation Company Integrated Safety Management System/Environmental Management System Implementation Plan
		PRC-PRO-SH-7085 , Rev 0-1	4.1.1	Safety Responsibilities
		PRC-PRO-SH-6155 , Rev 1-0	4.1.1	Chronic Beryllium Disease Prevention Program
		PRC-PRO-SH-077 , Rev 1-0	1.0	Reporting, Investigating, and Managing Health, Safety and Property / Vehicle Events
		Special Provision SP-5 , Rev 6	2.1.A.3	On Site Services
851.24	Functional areas			
851.24 (a), (b)	Have a structured approach to Safety and Health program that covers functional areas listed in App. A.	PRC-PRO-WKM-12115 , Rev 0-6	3.2.3	Work Management
		PRC-MP-MS-003 , Rev 1-1	6.1 & 6.2	Integrated Safety Management System/ Environmental Management System Description (ISMSD)

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		CHPRC Docs Online	All documents	Virtual Manuals- Occupational Safety & Health, Fire Protection, Construction, Safeguards and Security, Training and Qualification, Work Management and Employee Concerns.
		DOE-0336 , Rev 0	Entire Document	Hanford Site Lockout/Tagout
		DOE-RL-92-36 , Rev 1	Entire Document	Hanford Site Hoisting and Rigging Manual
851.25	Training and information			
851.25 (a)	Ensure that all workers are trained on the hazards to which they are exposed	PRC-POL-TQ-11337 , Rev 1-0	Entire Document	Employee Training
		PRC-MP-TQ-011 , Rev 1-1	3.8	CH2M HILL Plateau Remediation Company Integrated Safety Management System/Environmental Management System Implementation Plan
		PRC RO-TQ-40164 , Rev 0-1-	3.0	Personnel Training and Qualification
		PRC-PRO-TQ-164 , Rev 0-2	3.7	Integrated Training Electronic Matrix
		PRC-RD-SH-11058 , Rev 0-1	2.2.7	Occupational Medical Qualification and Monitoring
		PRC-PRO-WKM-079 , Rev 2-1	2.0 Supervisor	Job Hazard Analysis
		PRC-RD-TQ-11061 , Rev 0-1	2.1.2.a & 2.1.2.c	Training Requirements

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		PRC-RD-SH-11812 , Rev 0-1	3.5	Occupational Noise Exposure and Hearing Conservation
		PRC-RD-SH-7769 , Rev 0-1	2.0.1	OSH Compliance
		PRC-MP-SH-38174 , Rev 0-2	9.0	Written Respiratory Protection Program
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 8.0	Contractor Safety Process
851.25 (b)(1)	Provide training for new workers before or at the time of initial assignment	PRC-PRO-TQ-164 , Rev 0-2	3.7	Integrated Training Electronic Matrix
		PRC RO-TQ-40164 , Rev 0-1	3.0	Personnel Training and Qualification
851.25 (b)(2)	Provide periodic training as needed	PRC-RD-TQ-11061 , Rev 0-1	2.1.2.a & 2.1.2.c	Training Requirements
		PRC RO-TQ-40164 , Rev 0-1-	3.0	Personnel Training and Qualification
851.25 (b)(3)	Provide training about new hazards	SDD J3-18	Entire Document	Site Training Services / HAMMER
		PRC-PRO-TQ-164 , Rev 0-2	3.7	Integrated Training Electronic Matrix
		PRC-RD-SH-11058 , Rev 0-1	2.1.7	Occupational Medical Qualification and Monitoring
		PRC RO-TQ-40164 , Rev 0-1-	3.0	Personnel Training and Qualification
		PRC-PRO-SH-6155 , Rev 1-0	4.1.4	Chronic Beryllium Disease Prevention Program
		PRC-PRO-WKM-079 , Rev 2-1	2.0 Supervisor	Job Hazard Analysis

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Section Number	Section Subject	Document Number	Section	Document Title[i]
851.25 (c)	Train workers who have safety & health program responsibilities	PRC-RD-TQ-11061 , Rev 0-1	2.1.3	Training Requirements
		PRC RO-TQ-40164 , Rev 0-1-	3.0	Personnel Training and Qualification
		Special Provision SP-5 , Rev 6	2.2.C.1 & 11.0.A	On Site Services
851.26	Recordkeeping and reporting			
851.26 (a)(1)	Establish and maintain complete safety and health records	SDD J3-67	Entire Document	Federal Records Inventory and Schedule Mgmt.
		PRC-RD-SH-7652 , Rev 1-1	3.1.11	Safety and Health Inspections
		PRC-PRO-SH-409 , Rev 0-1	4.5.4	Industrial Hygiene Monitoring, Reporting and Records Management
		PRC-RD-SH-11812 , Rev 0-1	3.5	Occupational Noise Exposure and Hearing Conservation
		PRC-PRO-IRM-10588 , Rev 0-3	3.6	Records Management Processes
851.26 (a)(2)	Record and report injuries and illness accurately	PRC-PRO-SH-077 , Rev 1-0	4.1.27-33 & 4.1.36	Reporting, Investigating, and Managing Health, Safety and Property/Vehicle Events
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 4.0	Contractor Safety Process

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851.26 (a)(3)	Comply with all applicable recordkeeping requirements	PRC-PRO-SH-077 , Rev 1-01	4.1.35, 4.2.3-4, & 4.3	Reporting, Investigating, and Managing Health, Safety and Property/Vehicle Events
		PRC-RD-SH-11058 , Rev 0-1	2.2.12	Occupational Medical Qualification and Monitoring
851.26 (b)(1)	Report and investigate accidents, injuries and illness	PRC-PRO-SH-077 , Rev 1-0	4.1.17 & 4.2.8	Reporting, Investigating, and Managing Health, Safety and Property/Vehicle Events
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 5.0	Contractor Safety Process
851.26 (b)(2)	Analyze related data for trends and lessons learned	PRC-PRO-QA-24741 , Rev 1-0	3.1.2, 3.1.4, 3.2.3, & 3.3	Performance Analysis Process
		PRC-CHRT-MS-40017 , Rev 0-2	3.0	Safety Analysis Center Charter
		PRC-PRO-QA-052 , Rev 1-0	3.0	Issues Management
851.27 (a)(2)	References Resources	PRC-RD-SH-7769 , Rev 0-1	5.1	OSH Compliance
		PRC-RD-EN-1819 , Rev 0-2	4.0	CHPRC Engineering Requirements
		HNF-RD-10606 , Rev 6	2.0	Fire Protection Program Requirements
		PRC-RD-SH-11827 , Rev 1-0	1.0 & 5.1	CHPRC Electrical Safety Program Requirements
		DOE-0223	RLEP 3.24	Notification, Reporting, and Processing of Operations Information
		PRC-PRO-EM-060 , Rev 1-3	6.1	Reporting Occurrences and Processing Operations Information
		Special Provision SP-5 , Rev 6	2.2.B, 2.3.C	On Site Services

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1	Construction Safety	PRC-PRO-CN-14990 , Rev 0-2	3.5	Construction Management
		PRC-PRO-WKM-079 , Rev 2-1	1.2	Job Hazard Analysis
		PRC-PRO-SH-40078 , Rev 1-0	Entire Document	Contract Safety Processes
		PRC-PRO-WKM-12115 , Rev 0-6	3.2.3 App H SOW – Workforce Mgmt	Work Management
2	Fire Protection	SDD J3-19	Entire Document	Fire and Emergency Response Services
		SDD J3-20	Entire Document	Fire & Emergency Response – Inspection/Maint.
		MSC-RD-8589 , Rev 0	2.0	Fire Marshal Permits
		HNF-RD-10606 , Rev 6	2.0	Fire Protection Program Requirements
		PRC-PRO-EM-7647 , Rev 0-2	2.2.1, 2.2.2, 2.4 & 2.8	Emergency Preparedness Program Requirements
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.3	Contractor Safety Process
3	Explosives Safety	HNF-RD-11227 , Rev 3	2.0	Use of Explosives on the Hanford Site
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.4	Contractor Safety Process

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4	Pressure Safety	PRC-RD-EN-19440 , Rev 0-1	Entire Document	Design, Inspection, Testing and Repair of ASME-Coded Pressure Systems and Safety Relief Valves
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.5	Contractor Safety Process
5	Firearms Safety	PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.6	Contractor Safety Process
6	Industrial Hygiene	PRC-PRO-PM-24889 , Rev 0-1	5.0	Project Initiation and Execution
		PRC-PRO-SH-409 , Rev 0-1	4.0	Industrial Hygiene Monitoring, Reporting and Records Management
		PRC-RD-SH-10994 , Rev 0-2	4.0	Occupational Carcinogen Control
		PRC-RD-SH-11058 , Rev 0-1	2.2.4 & 2.2.6	Occupational Medical Qualification and Monitoring
		PRC-RD-SH-11183 , Rev 0-2	2.1.6	Personal Protection
		PRC-RD-SH-11812 , Rev 0-1	3.0	Occupational Noise Exposure and Hearing Conservation
		PRC-PRO-SH-17916 , Rev 1-0	3.1	Industrial Hygiene Baseline Hazard Assessments
		PRC-MP-SH-38174 , Rev 0-2	Entire Document	Written Respiratory Protection Program
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.7, 3.12 & 3.15	Contractor Safety Process
7	Biological Safety	N\A		

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		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.8	Contractor Safety Process
8	Occupational Medicine	PRC-MP-SH-38174 , Rev 0-2	3.1.3	Written Respiratory Protection Program
		MOA-AMH-CHPRC-2010 , Rev 0	Entire Document	MOA between AMH and CHPRC
		PRC-RD-SH-11058 , Rev 0-1	2.1.6, 2.2.1, 2.2.4, 2.2.6, & 2.2.9-12	Occupational Medical Qualification and Monitoring
		Employee Job Task Analysis (EJTA) computer program	Entire Program	Employee Job Task Analysis
		PRC-PRO-HR-021 , Rev 0-2	3.0.24	Staffing
		PRC-PRO-HR-035 , Rev 0-1	3.2.4 Note	Termination of Employment,
		PRC-PRO-WKM-079 , Rev 2-1	2.0 Supervisor	Job Hazard Analysis
		PRC-PRO-SH-6155 , Rev 1-0	4.1.5 & 4.3	Chronic Beryllium Disease Prevention Program
		PRC-PRO-HR-073 , Rev 0	3.0	Personal Time Bank and Other Absences
		PRC-PRO-HR-048 , Rev 1-2	3.0.2	Reasonable Accommodations to Work Restrictions
		PRC-PRO-SH-077 , Rev 1-0	4.1.3, 4.1.4, 4.1.8 & 4.1.33	Reporting, Investigating, and Managing Health, Safety and Property/Vehicle Events
		PRC-PRO-HR-042 , Rev 0-2	3.1.5, 3.1.7, 3.1.10, 3.2.6 & 3.2.15	Fitness for Duty
		HNF-RD-10606 , Rev 6	2.4.1.j & k	Fire Protection Program Requirements

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Section Number	Section Subject	Document Number	Section	Document Title[i]
		PRC-RD-SH-11812 , Rev 0-1	3.4	Occupational Noise Exposure and Hearing Conservation
		PRC-PRO-HR-693 , Rev 0-2	3.1.3, 3.2.3 & 3.2.4	Return to Work
		CHPRC Prime Contract	Section J Attachment J.3 Page J.3-66	Interface Matrix - AdvanceMed Hanford
		Special Provision SP-5 , Rev 6	5.0	On Site Services
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.9	Contractor Safety Process
9	Motor Vehicle Safety	PRC-RD-SH-9237 Rev 0-1	2.0	Motor Vehicle /Bicycle Safety
		HNF-RD-27562 , Rev 3	2.0	Commercial Driver License Holder's Drug & Alcohol Testing Requirements
		MSC-PRO-37561 , Rev 0	Entire Document	Department of Transportation Federal Motor Carrier Requirements for Personnel
		PRC-PRO-TP-166 , Rev 1-1	4.0	Transportation Safety Training
		SDD J3-37	Entire Document	Motor Carrier Services
		SDD J3-39	Entire Document	Railroad Services
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.10	Contractor Safety Process
10	Electrical Safety	PRC-RD-SH-11827 , Rev 1-0	2.0 & 3.0	CHPRC Electrical Safety Program Requirements
		PRC-RD-SH-11183 , Rev 0-2	2.1.3 Note 2	Personal Protection

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		PRC-RD-SH-28954 , Rev 0-1	2.0	Equipment Operation Near Overhead Electrical Lines
		DOE-0336 , Rev 0	Entire Document	Hanford Site Lockout/Tagout
		SDD J3-41 ,	Entire Document	Electrical Transmission, Distribution, & Energy Mgmt
		PRC-PRO-SH-40078 , Rev 1-0	Appendix F, 3.11	Contractor Safety Process
11	Nanotechnology Safety - Reserved	N\A		
12	Workplace Violence Prevention - Reserved	N\A		

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Appendix C - Contractor Safety and Health

The *10 CFR 851 CHPRC Worker Safety and Health Program Description* covers CH2M HILL Plateau Remediation Company (CHPRC) contracted work scope at any tier based upon the nature and duration of the work performed.

10 CFR 851, the Rule, applies to all construction work and services such as consultant, professional services, staff augmentation, etc. that is in the furtherance of the DOE mission.

10 CFR 851 does not apply to vendors or suppliers coming into CHPRC workspaces who do not have service contracts and who engage in no more than incidental work related to delivery, installation or repair of the products provided.

10 CFR 851 occupational medicine requirements apply to CHPRC contracted work scope at any tier if they are conducting CHPRC work scope on the Hanford Site.

CHPRC uses standard terms and conditions to flow down the applicable requirements of the CHPRC Worker Safety and Health Program. These requirements are specifically embedded in the SP-5 *On-Site Services* and PRC-PRO-AC-186 *Statements of Work*, Section 3.0 and 6.0. These terms and conditions reflect requirements consistent with the Rule, Subpart C. The standard terms and conditions are contractually binding and delineate corporate and personnel safety roles and responsibilities of CHPRC contractor at all tiers.

CHPRC has processes and procedures to screen contract Request for Proposal submittals to evaluate safety attributes (i.e. injury rates, Workers Compensation Experience Modification Rate, and OSHA Inspection history) and ensure the hazards associated with the contracted activity are properly addressed and meet the Rule's requirements. Depending on the scope of work and its complexity, offerors may be required to submit a safety plan for a specific hazard or activity which will then be reviewed and approved as part of the contracting process.

CHPRC monitors the winning offerors compliance with the worker safety and health program through routine safety inspections and reporting and tracking systems for non-compliance issues. These processes include contractor and contractor employee involvement. Safety and health non-compliance issues that cannot be immediately corrected are placed in a safe configuration until the issues can be resolved and corrective actions implemented.